# DOC
## Declaration Of Conformity

ETL e-Testing Laboratory

| | |
|---|---|
| **Product Type** | Wireless Audio Distributor |
| **Model** | WAD-104 |
| **Applicant** | Cinet Inc |
| **FCC Designation Number** | KR0022 |
| **Test Report No.** | ETLE150630.0822 |
| **Issue Date** | July 27, 2015 |
| **Rule Part(s)** | ICES-003 Issue 5 |
| **Classification** | Information Technology Equipment (Class A) |

The device bearing the trade name and model specified above has been shown to comply with the applicable technical standard as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ICES-003 Issue 5.

I attest to the accuracy of data and all measurement reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualification of all persons taking them.

**Date of issue :**

**Authorized By :**

Chief Engineer **Hyung Min, Choi**

Date of issue : July 27, 2015

ETL e-Testing Laboratory

**Cinet Inc**
8616 Phoenix Drive, Manassas, VA 20110, USA

**ETL Inc.**
114, Gasan digital 2-ro,
Geumcheon-gu, Seoul, 153-803, Korea

# Electromagnetic Emission

# IC MEASUREMENT REPORT

## DECLARATION of CONFORMITY

### ICES-003 Issus 5 Measurement

| | | |
|---|---|---|
| **PRODUCT** | : | Wireless Audio Distributor |
| **MODEL/TYPE NO** | : | WAD-104 / NONE |
| **MULTIPLE MODEL** | : | - |
| **BRAND NAME** | : | - |
| **APPLICANT** | : | Cinet Inc<br>8616 Phoenix Drive, Manassas, VA 20110, USA<br>Atten. Aaron K. Han / President |
| **MANUFACTURER** | : | HANSUNG ENGINEERING Co.<br>#601 Dowon Bldg., 133-7, SEONGSAN-DONG, MAPO-KU,<br>SEOUL, 121-250, KOREA |
| **RULE PART(S)** | : | ICES-003 Issue 5 |
| **PROCEDURE** | : | ANSI C63.4-2009 |
| **TEST REPORT No.** | : | ETLE150630.0822 |
| **DATES OF TEST** | : | June 30, 2015 to July 02, 2015 |
| **REPORT ISSUE DATE** | : | July 27, 2015 |
| **TEST LABORATORY** | : | ETL Inc. |

This Wireless Audio Distributor, Model WAD-104 has been tested in accordance with the measurement procedures specified in ANSI C63.4-2009 at the ETL Test Laboratory and has been shown to be complied with the electromagnetic radiated emission limits specified in ICES-003 Issue 5
I attest to the accuracy of data. All measurement herein was performed by me or was made under my supervision and is correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.
The results of testing in this report apply to the product/system which was tested only. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Prepared by:
Chul Min, Ji (Test Engineer)
July 27, 2015

Reviewed by:
Hyung Min, Choi (Chief Engineer)
July 27, 2015

**ETL Inc.**
**114, Gasan digital 2-ro, Geumcheon-gu, Seoul, 153-803, Korea**
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*The test report merely corresponds to the test sample(s).*
*This report shall not be reproduced, in whole or in part without the written approval of ETL Inc.*

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# IC MEASUREMENT REPORT

**Scope** – *Measurement and determination of electromagnetic emission(EME) of radio frequency devices including intentional radiators and/or unintentional radiators for compliance with the technical rules*

## General Information

**Applicant Name : Cinet Inc**

**Address : 8616 Phoenix Drive, Manassas, VA 20110, USA**

**Attention : Aaron K. Han / President**

- **EUT Type :** Wireless Audio Distributor
- **Model Number :** WAD-104
- **S/N :** NONE
- **Test Procedure :** ANSI C63.4-2009
- **Dates of Tests :** June 30, 2015 to July 02, 2015
- **Environmental of Tests:** Temperature: (25.0 ± 3.7) °C
  Humidity: (57 ± 11) % R.H.
  Atmospheric Pressure: (99.8 ± 0.2) kPa
- **Place of Tests :** ETL Inc. Testing Lab.
  Radiated Emission test 1;
  97-4, Gureomae-gil, Seosin-myeon, Hwaseong-si,
  Gyeonggi-do, 445-882, Korea
  Radiated Emission test 2 and Conducted Emission test;
  114, Gasan digital 2-ro, Geumcheon-gu, Seoul, 153-803, Korea
- **Test Report No. :** ETLE150630.0822



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# 1. INTRODUCTION

The measurement test for radiated and conducted emission test was conducted at the ETL Inc. The site is constructed in conformance with the requirements of the ANSI C63.4-2009 and CISPR Publication 16.

The measurement procedure described in American National Standard for Method of Measurement of Radio-Noise Emission from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz (ANSI C63.4-2009) was used in determining radiated and conducted emissions from the Cinet Inc Model: WAD-104



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# 2. PRODUCT INFORMATION

## 2.1 Equipment Description

The Equipment Under Test (EUT) is the Wireless Audio Distributor (model: WAD-104).

The model WAD-104 is basic model that was tested.

## 2.2 General Specification

- Power Adapter: DC 5 V, 2.0 A
- Audio Input: Stereo RCA x 4, 3 Vp-p, SNR: 99 dB
- USB: USB 2.0 Type-A
- Network: RJ-45 type, IEEE1588 compliant, 10/100/1000 Mbps Gigabit Ethernet
- Dimension (W x H x D): 110 mm x 42 mm x 100 mm
- Weight: About 500 g
- High Internal Frequency: OSC → 25 MHz



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# 3. DESCRIPTION OF TESTS

## 3.1 Conducted Emission Measurement

Conducted emissions measurements were made in accordance with ICES-003 Issue 5. The measurements were performed over the frequency range of 0.15 MHz to 30 MHz using a 50 Ω/50 μH LISN as the input transducer to a Spectrum Analyzer or a Test Receiver. The measurements were made with the detector set for "Peak" amplitude within a bandwidth of 9 kHz or for "quasi-peak" within a bandwidth of 9 kHz.

The line-conducted emission test is conducted inside a shielded anechoic chamber room with 1 m x 1.5 m x 0.8 m wooden table which is placed 40 cm away from the vertical wall and 1.5 m away from the side wall of the chamber room. Two LISN are bonded to the shielded room. The EUT is powered from the LISN and the support equipment is powered from the other LISN. Power to the LISNs are filtered by a noise cut power line filters. All electrical cables are shielded by braided tinned steel tubing with inner ϕ 1.2 cm. If the EUT is a DC-powered device, power will be derived from the source power supply it normally will be powered from and these supply lines will be connected to the LISN. Non-inductive bundling to a 1 m length shortened all interconnecting cables more than 1 m. Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The RF output of the LISN was connected to the EMI Test Receiver to determine the frequency producing the maximum emission from the EUT. The frequency producing the maximum level was reexamined using to set Quasi-Peak mode by manual, after scanned by automatic Peak mode from 0.15 MHz to 30 MHz. The bandwidth of the spectrum analyzer was set to 9 kHz. The EUT, support equipment, and interconnecting cables were arranged and manipulated to maximize each emission.

Photographs of the worst-case emission can be seen in photographs of conducted emission test setup in Appendix B.



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## 3.2 Radiated Emission Measurement

Radiated emission measurements were made in accordance with ICES-003 Issue 5. The measurements were performed over the frequency range of 30 MHz to 40 GHz (or 5th harmonic of the highest frequency) in using antenna as the input transducer to a spectrum analyzer or a field intensity meter. The measurements below 1 GHz were made with the detector set for "Quasi-peak" within a bandwidth of 120 kHz. The measurements above 1 GHz were made with the detector set for "Peak and Average" within a bandwidth of 1 MHz.

Preliminary measurements were made at 3 m using broadband antennas, and spectrum analyzer to determined the frequency producing the maximum emission in shielded room. Appropriate precaution was taken to ensure that all emission from the EUT were maximized and investigated. The system configuration, mode of operation, turntable azimuth and height with respect to the antenna were noted for each frequency found. The spectrum was scanned from 30 MHz to 1 000 MHz using Log-Bicon antenna. Above 1 GHz, linearly polarized double ridge horn antennas were used. Final measurements were made open site or SVSWR chamber at 10 m and 3 m. The test equipment was placed on a styrofoam table. Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. Each frequency found during pre-scan measurements was re-examined by manual. The EUT, support equipment and interconnecting cables were re-configured to the set-up producing the maximum emission for the frequency and were placed on top of a 0.8 m high nonmetallic 1 m x 1.5 m table. The EUT, support equipment, and interconnecting cables were re-arranged and manipulated to maximize each emission. The turntable containing the system was rotated; the antenna height was varied 1 m to 4 m and stopped at the azimuth or height producing the maximum emission. Each emission was maximized by: varying the mode of operation to the EUT and/or support equipment and changing the polarity of the antenna, whichever determined the worst-case emission.

Photographs of the worst-case emission can be seen in Photographs of the worst-case emission test setup can be seen in Appendix B.



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# 4. TEST CONDITION

## 4.1 Test Configuration

The device was configured for testing in a typical fashion (as a customer would normally use it). During the tests, the EUT and the supported equipments were installed to meet ICES-003 Issue 5 requirement and operated in a manner and which tends to maximize its emission level in a typical application.

## 4.2 EUT operation

■ Standby mode

■ During the test, EUT was tested in a continuous network mode

## 4.3 Support Equipment Used

| Description | Model Name | Serial No. | Manufacturer |
|---|---|---|---|
| Adapter (for EUT) | FJ-SW0502000 | NONE | Shenzhen Fujia Appliance Co.,Ltd. |
| Notebook Computer | LGS53 | 303QCPY568288 | LG Electronics |
| Adapter (for Notebook Computer) | PA-1900-14 | L9130B10004794 | Lite On Technology (Changzhou)Co., Ltd. |
| USB Drive (4 GB) | NONE | NONE | NONE |

## 4.4 Type of Cables Used

| Device from | Device to | Type of Cable(Port) | Length[m] | Type of shield |
|---|---|---|---|---|
| EUT | Notebook Computer | LAN | > 3.0 | Unshielded |
| EUT | Notebook Computer | Audio In | 1.5 | Unshielded |
| EUT | USB Drive | USB | - | - |
| EUT | Adapter | DC Input | 1.5 | Unshielded |
| Notebook Computer | Adapter | DC Input | 1.5 | Shielded |



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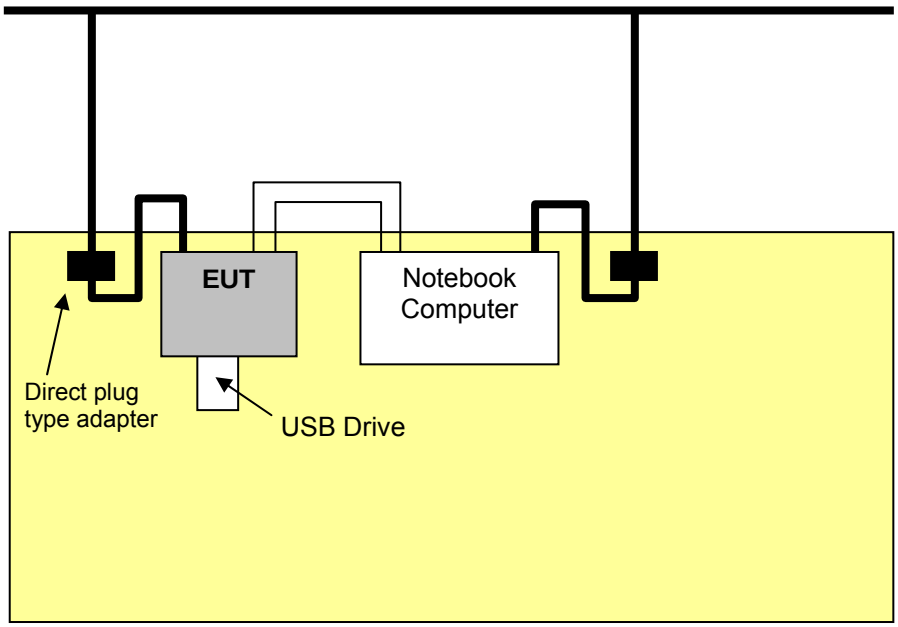
## 4.5 The setup drawing(s)




: Data Line

: Power Line

: Adapter



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# 5. TEST RESULTS

## 5.1 Summary of Test Results

The measurement results were obtained with the EUT tested in the conditions described in this report. Detailed measurement data and plots showing the maximum emission of the EUT are reported.

| Rule | Measurement Required | Result |
|---|---|---|
| Section 6.1 | Conducted Emission Measurement | **Passed by 19.84 dB** |
| Section 6.2.1 | Radiated Emission Measurement (Below 1 GHz) | **Passed by 5.50 dB** |
| Section 6.2.2 | Radiated Emission Measurement (Above 1 GHz) | **Passed by 26.60 dB** |

The data collected shows that the **Cinet Inc / Wireless Audio Distributor / WAD-104** complies with technical requirements of above rules ICES-003 Issue 5.

The equipment is not modified anything, mechanical or circuits to improve EMI status during a measurement. No EMI suppression device(s) was added and/or modified during testing.



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## 5.2 Conducted Emissions Measurement

### 5.2.1 Conducted Emissions Data

| | |
|---|---|
| EUT | Wireless Audio Distributor / WAD-104 (S/N: N/A) |
| Limit apply to | ICES-003 Issue 5 Section 6.1 Class A |
| Test Date | July 02, 2015 |
| Environmental of Test | (21.8 ± 0.1) °C, (46 ± 0) % R.H., (99.9 ± 0.0) kPa |
| Operating Condition | During the test, EUT was tested in a continuous network mode |
| Result | Passed by 19.84 dB |

**Conducted Emission Test Data**

The following data and graph shows the highest levels of conducted emissions on both polarizations of hot and neutral line.
Detector mode: CISPR Quasi-Peak mode (6 dB Bandwidth: 9 kHz)

NOTES:

1. **Please see the measured data and graph in next page.**
2. **The Level (Result) value was included the reading, LISN factor and cable loss.**
3. **Delta (Margin) value = Limit - Level (Result)**
4. **Measurement were performed at the AC Power Inlet in the frequency band of 150 kHz ~ 30 MHz according to the ICES-003 Issue 5 Section 6.1 Class A**
5. **If the Quasi-Peak limit is met when using a Peak detector receiver, the EUT shall be deemed to meet both limits and measurement with the Quasi-Peak detector receiver is unnecessary.**
6. **If the average limit is met when using a Quasi-peak detector receiver, the EUT shall be deemed to meet both limits and measurement with the average detector receiver is unnecessary.**



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## Line: HOT

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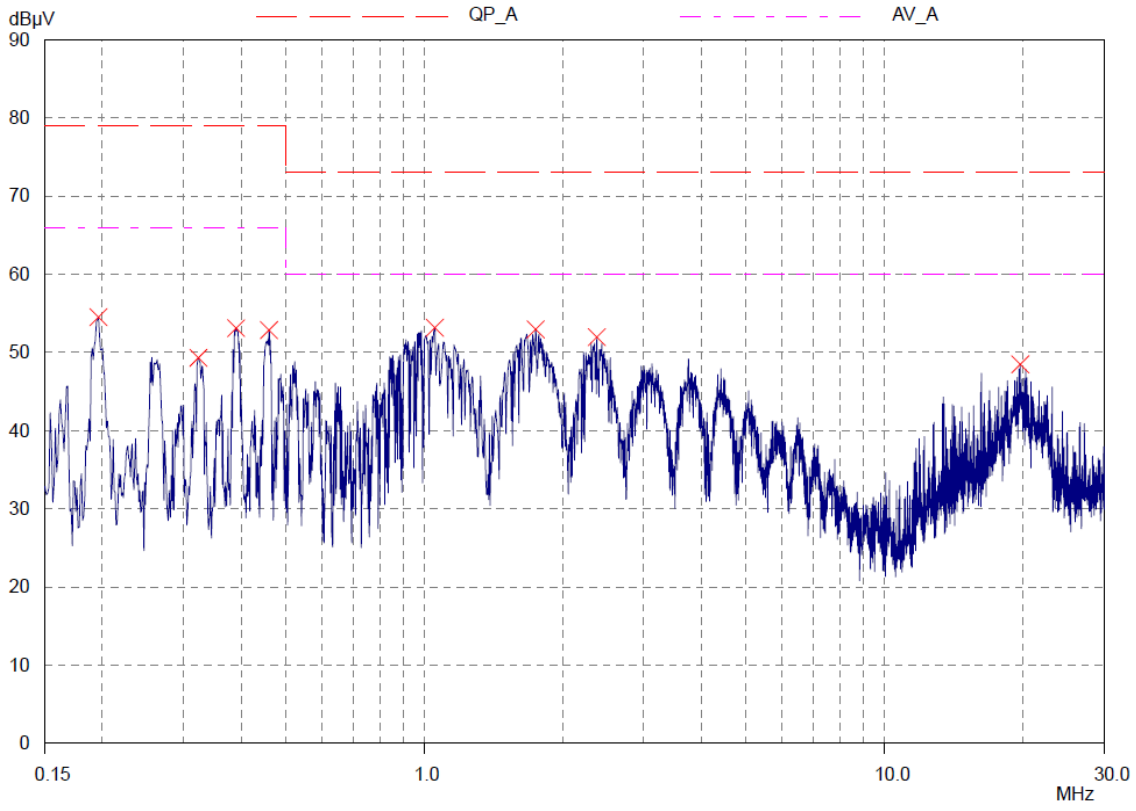
Conducted Emission Test Result

| | |
|---|---|
| EUT: | ETLE150630.0822 |
| Manuf: | |
| Op Cond: | |
| Operator: | |
| Test Spec: | |
| Comment: | HOT |

| | | |
|---|---|---|
| Prescan Measurement: | Detector: | X PK |
| | Meas Time: | see scan settings |
| | Peaks: | 8 |
| | Acc Margin: | 20 dB |



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ETL EMC Laboratory

Conducted Emission Test Result

EUT: ETLE150630.0822
Manuf:
Op Cond:
Operator:
Test Spec:
Comment: HOT

Prescan Measurement: Detector: X PK
Meas Time: see scan settings
Peaks: 8
Acc Margin: 20 dB

Peak Search Results

| Frequency MHz | PK Level dBµV | PK Limit dBµV | PK Delta dB |
|---|---|---|---|
| 0.196 | 54.52 | 79.00 | 24.48 |
| 0.323 | 49.32 | 79.00 | 29.68 |
| 0.39 | 53.11 | 79.00 | 25.89 |
| 0.46 | 52.87 | 79.00 | 26.13 |
| 1.055 | 53.16 | 73.00 | 19.84 |
| 1.745 | 52.96 | 73.00 | 20.04 |
| 2.37 | 51.96 | 73.00 | 21.04 |
| 19.71 | 48.49 | 73.00 | 24.51 |

* limit exceeded



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## Line: Neutral

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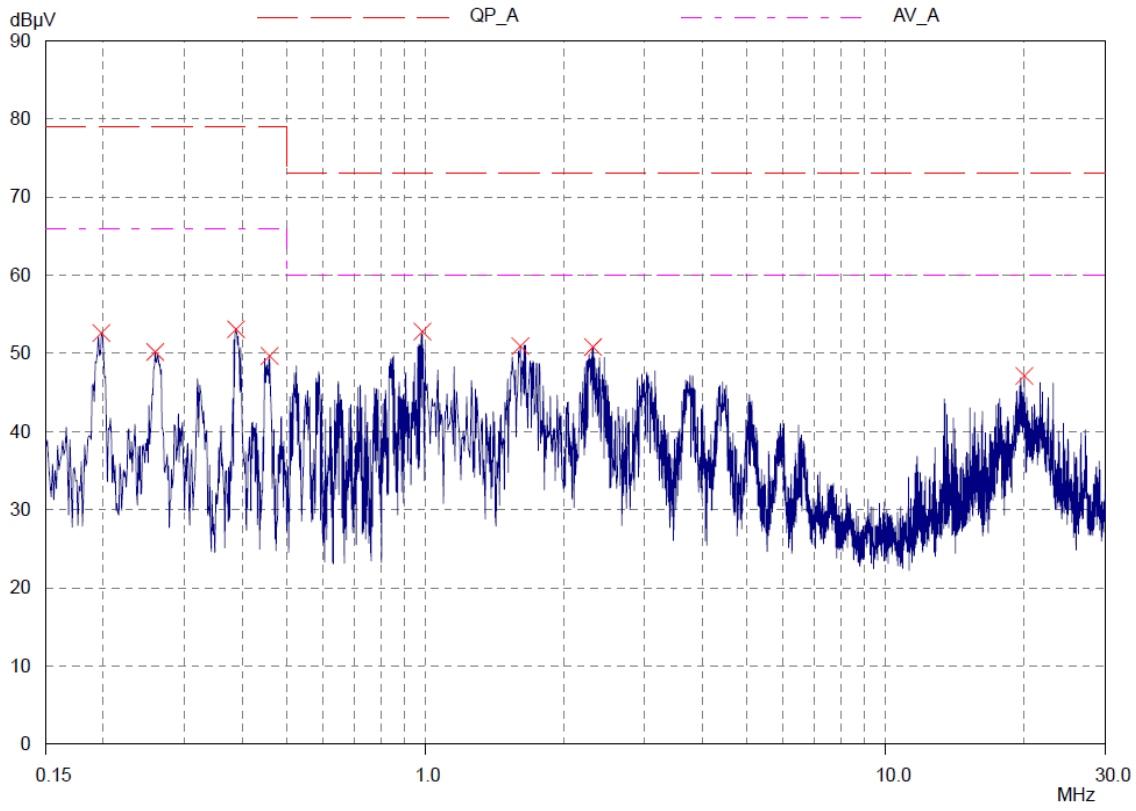
Conducted Emission Test Result

EUT: ETLE150630.0822
Manuf:
Op Cond:
Operator:
Test Spec:
Comment: NEUTRAL

Prescan Measurement:
Detector: X PK
Meas Time: see scan settings
Peaks: 8
Acc Margin: 20 dB



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ETL EMC Laboratory

Conducted Emission Test Result

EUT: ETLE150630.0822
Manuf:
Op Cond:
Operator:
Test Spec:
Comment: NEUTRAL

Prescan Measurement: Detector: X PK
Meas Time: see scan settings
Peaks: 8
Acc Margin: 20 dB

Peak Search Results

| Frequency MHz | PK Level dBµV | PK Limit dBµV | PK Delta dB |
|---|---|---|---|
| 0.198 | 52.61 | 79.00 | 26.39 |
| 0.259 | 50.18 | 79.00 | 28.82 |
| 0.388 | 53.07 | 79.00 | 25.93 |
| 0.459 | 49.69 | 79.00 | 29.31 |
| 0.986 | 52.79 | 73.00 | 20.21 |
| 1.61 | 50.92 | 73.00 | 22.08 |
| 2.315 | 50.82 | 73.00 | 22.18 |
| 20.02 | 47.12 | 73.00 | 25.88 |

* limit exceeded



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## 5.3 Radiated Emissions Measurement

### 5.3.1 Radiated Emissions Data

- Below 1 GHz

| | |
|---|---|
| EUT | Wireless Audio Distributor / WAD-104 (S/N: N/A) |
| Limit apply to | ICES-003 Issue 5 Section 6.2.1 Class A |
| Test Date | June 30, 2015 |
| Environmental of Test | (27.8 ± 0.8) °C, (66 ± 2) % R.H., (99.9 ± 0.0) kPa |
| Operating Condition | During the test, EUT was tested in a continuous network mode |
| Result | Passed by 5.50 dB |

**Radiated Emission Test Data**

The following table shows the highest levels of radiated emissions on both polarizations of horizontal and vertical.
Detector mode: CISPR Quasi-Peak mode (6 dB Bandwidth: 120 kHz)

| Frequency [MHz] | Reading [dB(μV)] | Polarization (*H/**V) | Ant. Factor [dB/m] | Cable Loss [dB(μV)] | Height [cm] | Result [dB(μV/m)] | Limit [dB(μV/m)] | Margin [dB] |
|---|---|---|---|---|---|---|---|---|
| 32.50 | 20.84 | V | 11.92 | 0.74 | 100 | 33.50 | 39.00 | 5.50 |
| 38.75 | 14.44 | V | 12.64 | 0.82 | 100 | 27.90 | 39.00 | 11.10 |
| 125.20 | 16.29 | V | 10.62 | 1.49 | 130 | 28.40 | 43.50 | 15.10 |
| 151.00 | 11.91 | V | 12.91 | 1.68 | 150 | 26.50 | 43.50 | 17.00 |
| 170.50 | 12.02 | V | 12.28 | 1.80 | 135 | 26.10 | 43.50 | 17.40 |
| 338.50 | 17.15 | H | 14.46 | 2.59 | 330 | 34.20 | 46.44 | 12.24 |

NOTES:

1. *** H : Horizontal polarization , ** V : Vertical polarization**
2. **Result = Reading + Antenna factor + Cable loss**
3. **Margin value = Limit - Result**
4. **The measurement was performed for the frequency range 30 MHz ~ 1 000 MHz according the ICES-003 Issue 5 Section 6.2.1.**



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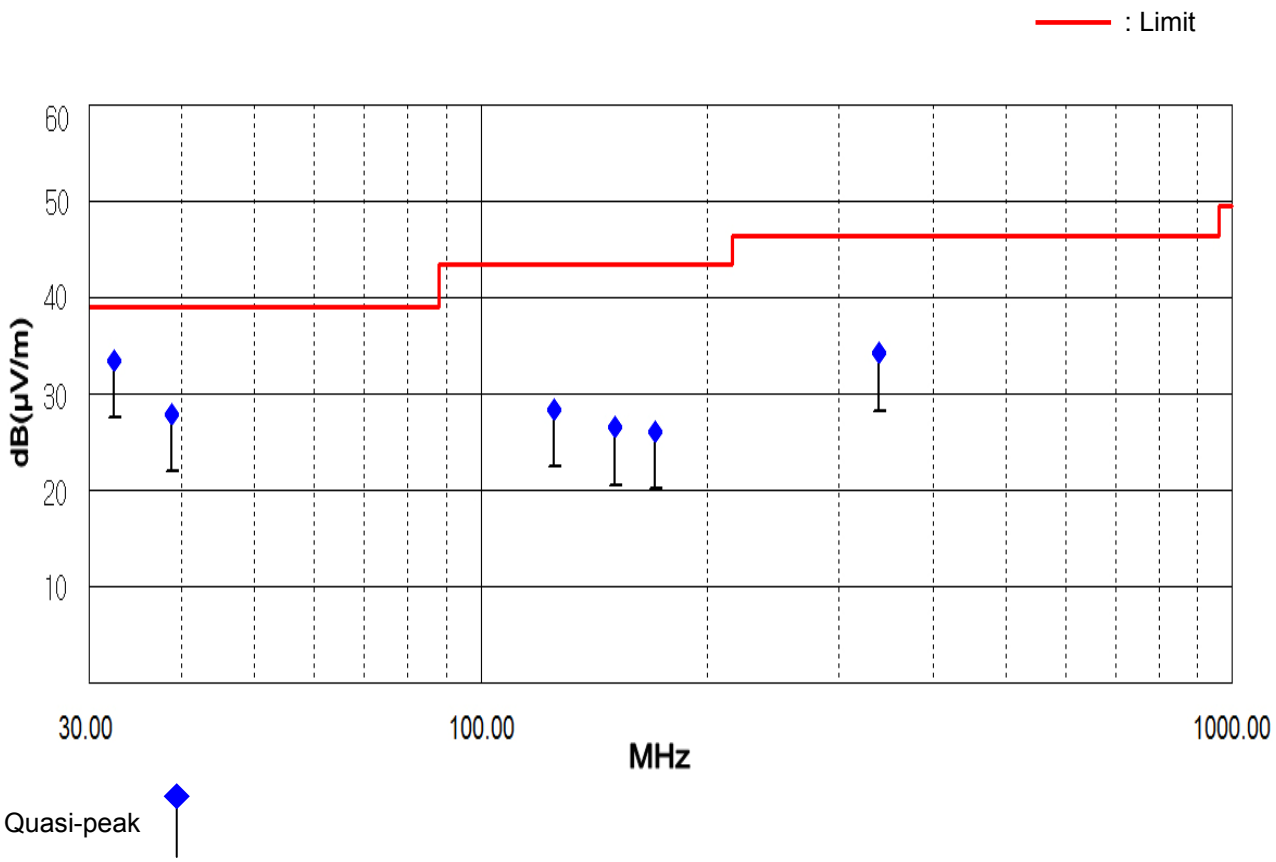




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- Above 1 GHz

| | |
|---|---|
| EUT | Wireless Audio Distributor / WAD-104 (S/N: N/A) |
| Limit apply to | ICES-003 Issue 5 Section 6.2.2 Class A |
| Test Date | July 01, 2015 |
| Environmental of Test | (21.4 ± 0.1) °C, (47 ± 0) % R.H., (99.6 ± 0.0) kPa |
| Operating Condition | During the test, EUT was tested in a continuous network mode |
| Result | Passed by 26.60 dB |

## Radiated Emission Test Data

The following data and graph shows the highest levels of radiated emissions on both polarizations of horizontal and vertical.
Detector mode: CISPR Peak mode, Average mode

NOTES:

1. **Please see the measured data and graph in next page.**
2. **H : Horizontal polarization , V : Vertical polarization**
3. **The c.f value was included the antenna factor, cable loss and Amp. Gain.**
4. **Result value = Reading + c.f**
5. **Margin value = Limit - Result**
6. **The measurement was performed for the frequency range 1 GHz ~ 6 GHz according the ICES-003 Issue 5 Section 6.2.2.**
7. **Upper frequency of measurement range: 5th harmonic of the highest frequency.**



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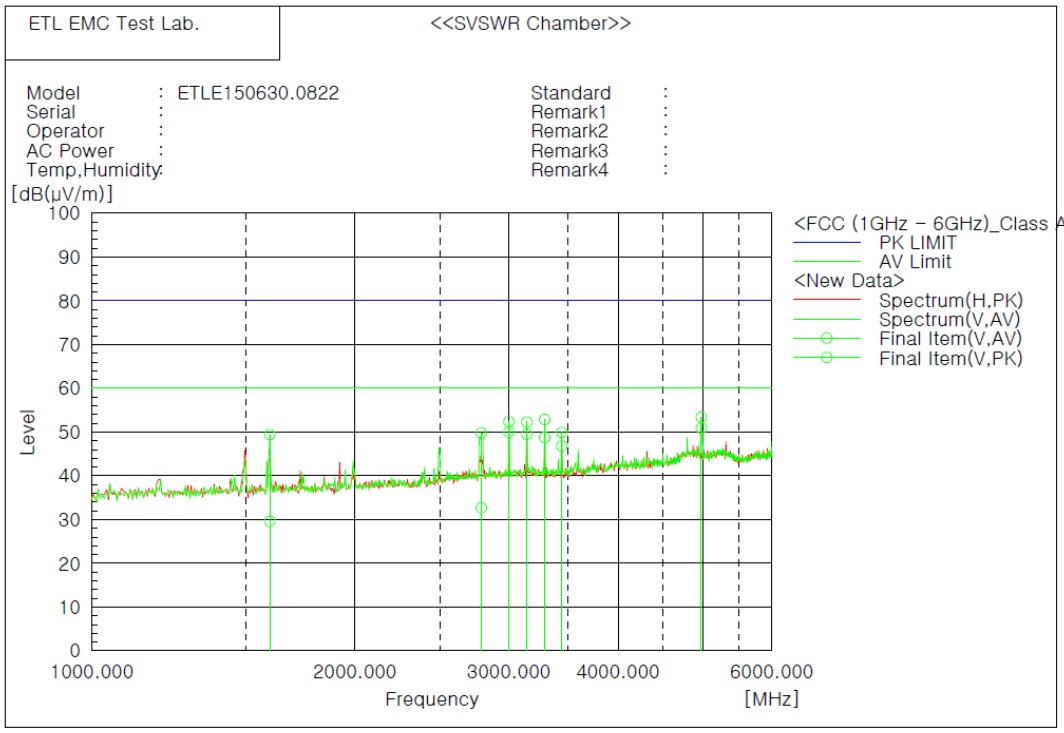


Final Result

--- Vertical Polarization (AV)---

| No. | Frequency [MHz] | Reading [dB(μV)] | c.f [dB(1/m)] | Result [dB(μV/m)] | Limit [dB(μV/m)] | Margin [dB] |
|---|---|---|---|---|---|---|
| 1 | 1597.920 | 42.9 | -13.3 | 29.6 | 80.0 | 50.4 |
| 2 | 2789.720 | 41.1 | -8.4 | 32.7 | 80.0 | 47.3 |
| 3 | 3000.000 | 57.5 | -7.5 | 50.0 | 80.0 | 30.0 |
| 4 | 3145.440 | 56.7 | -7.2 | 49.5 | 80.0 | 30.5 |
| 5 | 3296.940 | 55.8 | -7.0 | 48.8 | 80.0 | 31.2 |
| 6 | 3448.440 | 53.5 | -6.7 | 46.8 | 80.0 | 33.2 |
| 7 | 4981.620 | 51.5 | -0.6 | 50.9 | 80.0 | 29.1 |

--- Vertical Polarization (PK)---

| No. | Frequency [MHz] | Reading [dB(μV)] | c.f [dB(1/m)] | Result [dB(μV/m)] | Limit [dB(μV/m)] | Margin [dB] |
|---|---|---|---|---|---|---|
| 1 | 1597.920 | 62.7 | -13.3 | 49.4 | 80.0 | 30.6 |
| 2 | 2789.720 | 58.2 | -8.4 | 49.8 | 80.0 | 30.2 |
| 3 | 3000.000 | 59.9 | -7.5 | 52.4 | 80.0 | 27.6 |
| 4 | 3145.440 | 59.5 | -7.2 | 52.3 | 80.0 | 27.7 |
| 5 | 3296.940 | 59.9 | -7.0 | 52.9 | 80.0 | 27.1 |
| 6 | 3448.440 | 56.6 | -6.7 | 49.9 | 80.0 | 30.1 |
| 7 | 4981.620 | 54.0 | -0.6 | 53.4 | 80.0 | 26.6 |



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# 6. SAMPLE CALCULATION

## Sample Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor.
The basic equation with a sample calculation is as follows:

FS = RA + AF + CF - PA

Where FS = Field Strength
RA = Receiver Amplitude
AF = Antenna Factor
CF = Cable Attenuation Factor
PA* = Preamplifier Factor

* PA is only be used for the measuring frequency above 1 GHz.

$dB(\mu V) = 20 \log_{10} (\mu V)$ : Equation
$dB(\mu V) = dBm + 107$

Example : @ 149.66 MHz

Class A Limit = 39.00 dB(μV/m)

Reading = 20.84 dB(μV)

Antenna Factor + Cable Loss = 11.92 + 0.74 = 12.66 dB(μV/m)

Total = 33.50 dB(μV/m)

Margin = 39.00 – 33.50 = 5.50 dB

= 5.50 dB below Limit



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## 7. List of test equipments used for measurements

| Test Equipment | | Model | Mfg. | Serial No. | Cal. Date | Cal. Due Date |
|---|---|---|---|---|---|---|
| ☒ | EMI Test Receiver | ESVS 10 | R&S | 835165/001 | 15.03.17 | 16.03.17 |
| ☒ | EMI Test Receiver | ESCS30 | R&S | 847793/005 | 15.03.17 | 16.03.17 |
| ☒ | EMI Test Receiver | ESCI7 | R&S | 100851 | 14.09.03 | 15.09.03 |
| ☒ | Two-Line V-Network | ENV216 | R&S | 101715 | 15.03.16 | 16.03.16 |
| ☒ | LISN | 3816-2 | EMCO | 1001 | 15.04.22 | 16.04.22 |
| ☒ | Horn Antenna | BBHA 9120D | Schwarzbeck | 826 | 14.04.02 | 16.04.02 |
| ☒ | Amplifier | TK-PA18 | TESTEK. | 120020 | 14.09.04 | 15.09.04 |
| ☒ | LogBicon Antenna | VULB9160 | Schwarzbeck | 3164 | 15.06.08 | 17.06.08 |
| ☒ | Turn-Table | DS1200-S | Innco Systems GmbH | 2740311 | N/A | N/A |
| ☒ | Turn-Table | TT 1.35 SI | SES | - | N/A | N/A |
| ☒ | Antenna Master | AM 4.5 | SES | - | N/A | N/A |



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# *Appendix A. IC Label and Location*

**Product Label Sample with IC Label information**

Following is a sample copy of the label that will be placed on the rear cabinet of the product.
The Label and compliance statement are marked in the product label.
The warning statement and Information to the user are described in the user's manual.

**Label Location**

The label shall be permanently affixed to the ITE or displayed electronically and its text must be clearly legible. When the dimension of the device is too small or it is otherwise not practical to place the label on the ITE, the label shall be placed in a prominent location in the user manual supplied with the ITE. The user manual may be in an electronic format and must be readily available. (Reference to clause 8 Labeling Requirements of 'ICES-003 Issue 5')

**Cinet Inc**

**Wireless Audio Distributor**

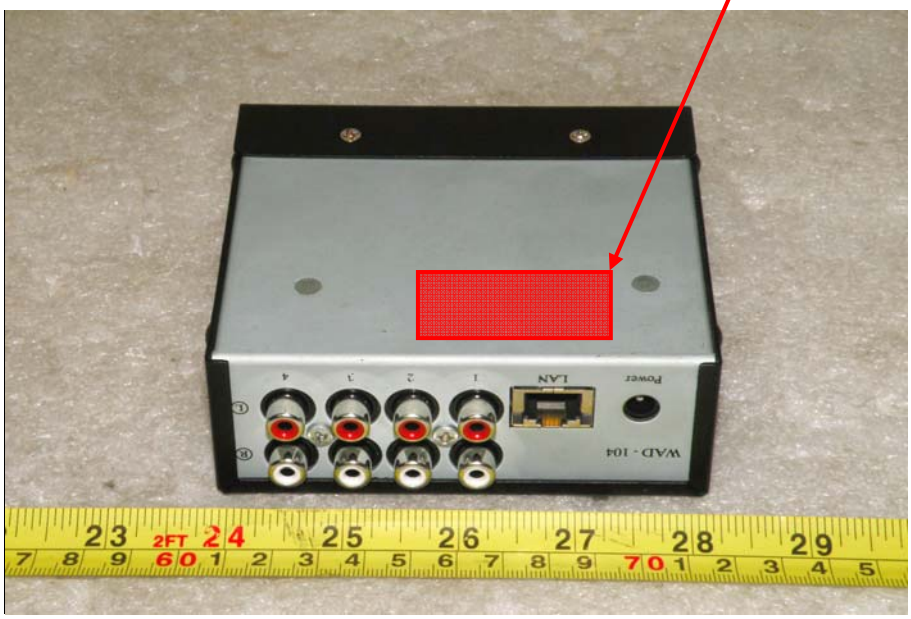
**Model No. : WAD-104**

**Industry Canada ICES-003 Compliance Label:**

**CAN ICES-3 (A)/NMB-3(A)**

**This Class B digital apparatus complies with Canadian ICES-003.**

**Manufacturer: HANSUNG ENGINEERING Co.**
**Made in Korea**



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# *Appendix B. Test Setup Photographs*

## Conducted Emission Test Setup

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# Appendix B. Test Setup Photographs

## Radiated Emission Test Setup (Below 1 GHz)

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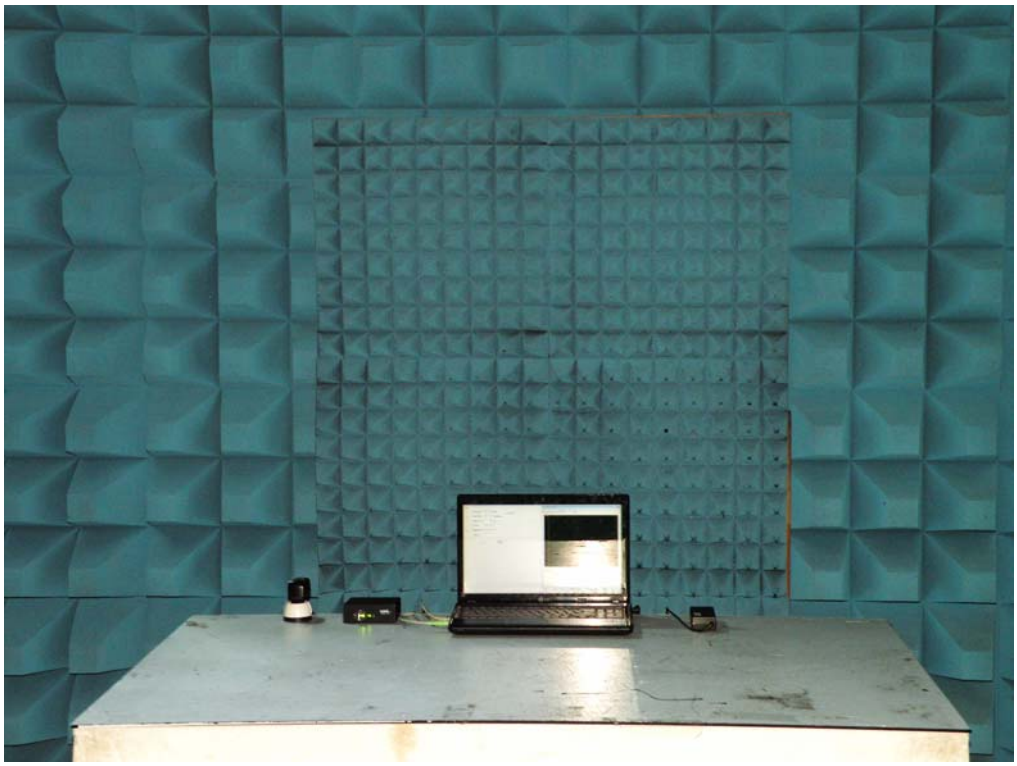
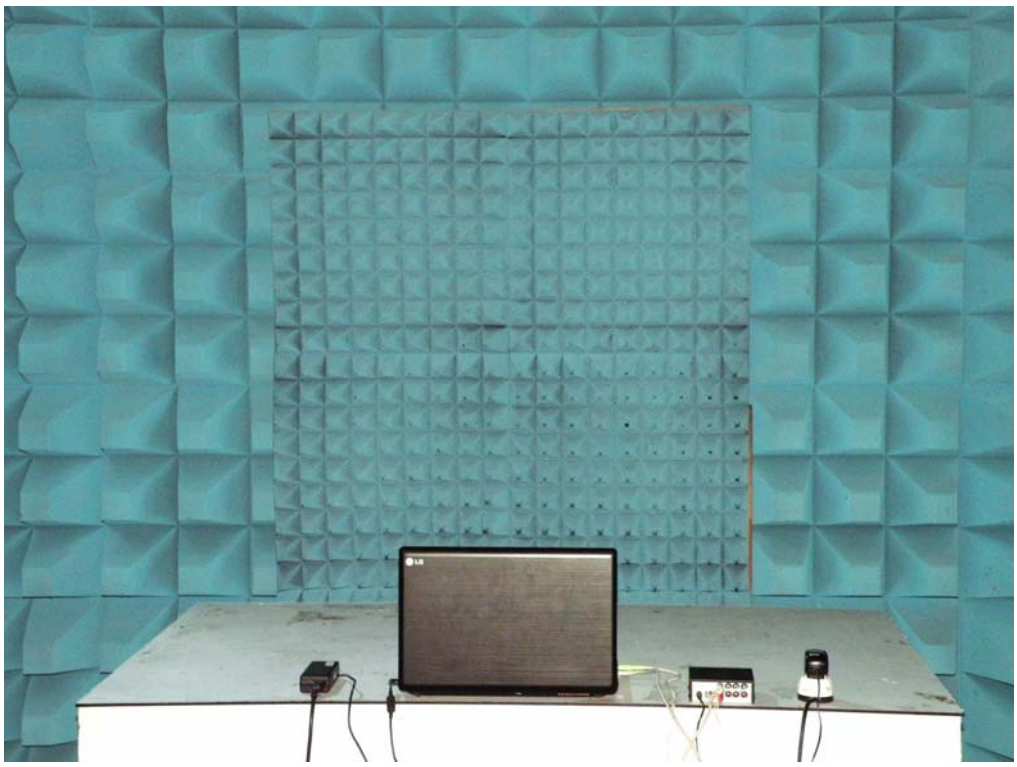
# Appendix B. Test Setup Photographs

## Radiated Emission Test Setup (Above 1 GHz)







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# Appendix C. External Photographs

## Front view of EUT

## Front side view of EUT

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# Appendix C. External Photographs

## Rear view of EUT

## Rear side view of EUT

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# Appendix C. External Photographs

## View of Adapter

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# *Appendix C. External Photographs*

## View of Adapter label

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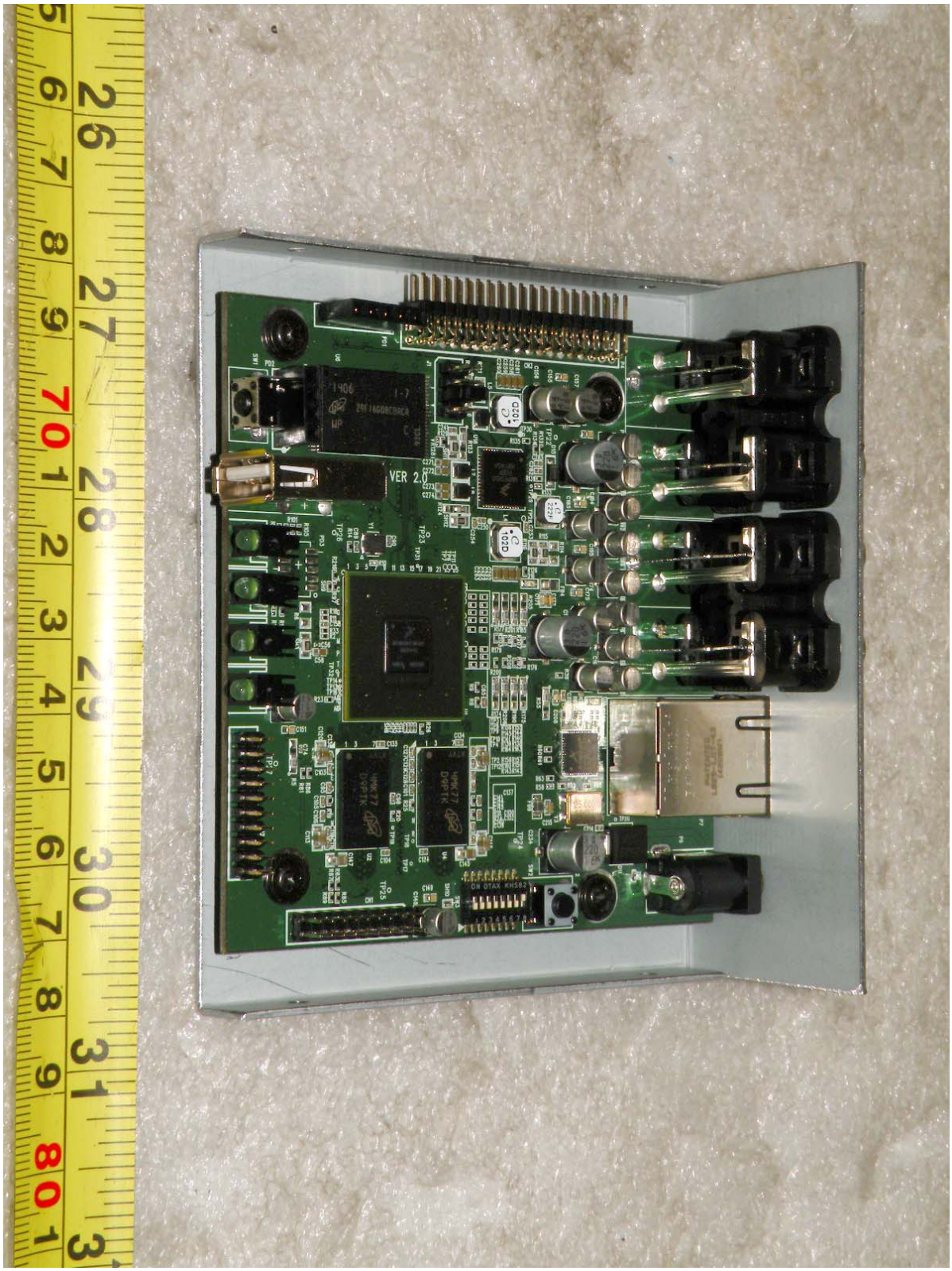
# Appendix D. Internal Photographs

## Inside view of EUT



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# *Appendix E. Block Diagram*



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